

Amendments to the Specification:

Please amend the paragraph starting on page 7, line 2, with the following amended paragraph:

-- Fig. 1 illustrates the scanning apparatus 10 according to the invention in a first embodiment, which, during a current printing process, serves for densitometric measurement of a printing medium 13, such as, for example, printed or paper webs or printed sheets, which is transported via a roll 12 accommodated in a printing machine 11. To that end, the scanning apparatus 10 comprises an arrangement of measurement heads 14 which, in the exemplary embodiment, are arranged such that they are spaced apart essentially equidistantly from one another, this arrangement of measurement heads 14 being mounted on a slide device 15 mounted in a displaceable manner on a guide rail 16. The guide rail 16 extends together with the slide device 15 transversely with respect to the transport direction of the printing medium 13 and is mounted above the roll 12 – serving as measurement roll – of the printing machine 11, to be precise parallel to the cylinder axis thereof, with the result that the scanning apparatus 10 is displaceable by means of the slide device 15 transversely with respect to the transport direction and thus along the width of the paper web 13 guided via the roll 12. In this case, in the exemplary embodiment, a measurement object 17 designed as a measurement strip is applied on the printing medium 13, that is to say the printed sheets or printed webs, for the purpose of optical density measurement, the measurement strip 17 comprising a linearly arranged row of measurement fields 19 and extending transversely with respect to the transport direction, i.e. in the direction of the width of the printing medium 13. Each of the measurement fields 19 in each case has a specific color density value. In order to initialize the scanning apparatus 10 according

to the invention, a position marker is arranged as a reference object 20 on the printing medium 13 before and at a distance from the measurement strip 17, said distance being predetermined in the transport direction, in which case, in order to detect the reference object 20, a further measurement head 14' is provided in the exemplary embodiment, said further measurement head being arranged downstream relative to the rest of the measurement heads 14 with respect to the coordinate axis defined by the transport direction; the detection of such a position marker 20 by means of the assigned measurement head 14' effects a trigger signal of a trigger unit 22 which is accommodated in the scanning apparatus 10 and is arranged adjacent to the measurement head 14' provided for the reference measurement; the trigger signal is fed via an electrical lead 23 to a control electronics device 24 and processed, after which the processed signal is communicated via a further electrical lead 23' to a data processing system 25. A position controller device 26 which is electrically operatively connected to the data processing system 25 is driven in interaction with a control program implemented in the data processing system 25, which position controller device displaces the scanning apparatus 10 transversely with respect to the printing direction and, in a manner dependent on the reference object, measures this by means of a measurement head 14' 14 with regard to the optical density. The relative position – measured in parallel therewith by means of a position measurement transmitter 27 fitted in the scanning apparatus 10 – of the slide device 15 orthogonally with respect to the transport direction of the printing medium 13 and also the measured density profile are used to determine the position of the measurement objects orthogonally with respect to the transport direction. --